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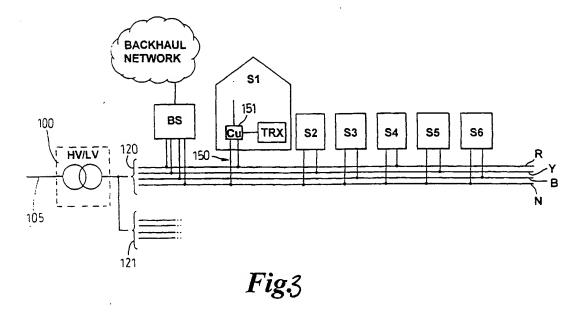
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(54) Reception of multicarrier signals over power lines

(57) An Orthogonal Frequency Division Multiplexed (OFDM) power line communications system comprising a power line for distributing electricity to a plurality of premises and a communication station coupled to the power line at one of the premises, which station uses a

part of the power line external to the premises as a communications medium. The communications station includes a receiver which comprises a clipping system adapted to clip an incoming OFDM data waveform, which includes a regular impulsive noise component, so as to reduce the level of noise on the waveform.



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EUROPEAN SEARCH REPORT

Application Number EP 99 30 7702

		RED TO BE RELEVANT	T T			
Category	Citation of document with in of relevant passa	dication, where appropriate, ages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)		
X	WO 98 10550 A (TELIA 12 March 1998 (1998 * page 3, line 18 -	-03-12)	1-14	H04L27/26 H04B3/54		
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T	medium and design as PLC system ⁿ INTERNATIONAL ZÜRICI COMMUNICATIONS,	"Nature of power line spects for broadband H SEMINAR ON BROADBAND 2000, pages 185-189,	1			
	,			TECHNICAL FIELDS SEARCHED (Int.Ci.7) H04L H04B		
	The present search report has b	peen drawn up for all claims				
	Place of search	Date of completion of the search		Examiner		
THE HAGUE		11 March 2002	_			
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EP 99 30 7702

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11-03-2002

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